

Appl. No. 10/089,135

Amdt. Dated 12/16/2005

Reply to Office action of October 18, 2005

Amendments to the Specification

Please replace the paragraph beginning on line 6 of page 8 with the following amended paragraph:

The encapsulated tag 40 (Figure 2) is preferably not directly connected to the innerliner 35 of the tire 10. Rather, according to the invention, a vulcanized rubber patch 70, having embedded therein a second internally threaded nut 71, is affixed to the innerliner 35 of the tire 10. Preferably, the patch 70, has a lens-shaped transverse cross-section, defined by a substantially flat side 72 having a generally circular perimeter being connectable to the innerliner 35 of the tire 10 and an arcuately-shaped, convex inner side 73 disposed on the opposite side of the patch. Side 72 of the patch 70 is dimensioned for disposition in abutment with the substantially arcuately shaped area of the innerliner 35 of the tire 10 at the shoulder portion 28 thereof. Side 73 of the patch 70 faces the interior of the tire 10. The encapsulated tag 40 has a substantially rectangularly-shaped transverse cross-section and includes a substantially straight side 74. The encapsulated tag 40 is connected to the patch 70 by threadably connecting the bolt portion 64A, extending from the tag 40, to the second nut 71. Due to the arcuate shaped transverse surface 73 of the patch 70, the side surface 74 of the attached tag 40 is separated from the patch 70 along substantially one-half of the arcuately shaped surface 73 of the patch 70. A generally circular central portion 73A of the surface 73 is substantially in abutment with surface 74 when the bolt portion 64A of the tag 40 is threadably connected to the nut 71 of the patch 70. Concurrently, the bolt portion 60 (Figure 1) of the connected tag 40 is located substantially in abutment with an area of the innerliner 35 adjacent to a belt edges 21 at the shoulder portion 28 of the tire 10 for sensing the temperature thereat. While the connected tag 40 is preferably located at the shoulder portion 28 adjacent to the ends of the one or more belts 20,22, it is also within the terms of the invention to locate the tag 40 near or on the center line 14 of the tire 10.